

Work Order ID 150378

Wednesday, August 24, 2016 11:48:29 AM

150378

Page 1

Item ID: D2278 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Step Leg
 Start Date: 8/19/2016 Start Qty: 30.00 ***30*** Cust Item ID:
 Required Date: 8/24/2016 Req'd Qty: 30.00 ***30*** Customer:
 Reference:

Approvals: Process Plan: **DAS 21** Date: **AUG 29 2016** Tooling: Date: Run Start ***NR1***
 QC: **9-89** Date: SPC (Y/N): Date: Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D2278	Rev F								
100	FLOW WATER JET	0.00							
100									
Waterjet	Memo	0.45							
FLOW CNC Waterjet	1-Cut as per Dwg D2278 Dwg Rev: <u>F</u> Prog Rev: <u>F</u> 2- Deburr if necessary								
110	QC2- Inspect parts off machine FAI/FAIB	0.00							
110									
QC	Memo	0.05							
Quality Control									
120	QC8- Inspect parts - second check	0.00							
120									
QC	Memo	0.10							
Quality Control									

SEP 09 2016

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>				Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																																	
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Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
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Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Chemical Conversion Coat per QSI005 4.1	0.00							
130									
HandFinish	Memo	0.10							2016/09/12 BEE
Hand Finishing									
140	QC7-Inspect Chemical Conversion Coat	0.00							
140									
QC	Memo	0.05							68-6 SE SEP 13 2016
Quality Control									
150	Identify as per dwg & Stock Location: _____	0.00							
150									
Packaging	Memo	0.05							SEP 13 2016
Packaging	LOCATION : GA								

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
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Root Cause		FAULT CATEGORY							
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Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
160	QC21- Final Inspection - Work Order Release	0.00							
160									
QC	Memo	0.50							
Quality Control									

DAS
21
9-89

SEP 14 2016

DAS
21
9-89

SEP 14 2016

DQA: _____ Date: _____



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Work Order update only ☐

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Picklist Print

Wednesday, August 24, 2016 11:48:28 AM

Page 1
1

Work Order ID: 150378

150378

Parent Item: D2278

D2278

Parent Item Name: Step Leg

Start Date: 8/19/2016

Required Date: 8/24/2016

Start Qty: 30.00

Required Qty: 30.00

Comments: IPP Rev:A New Issue 05-11-07 JLM
IPP Rev:B Now 6061-T6 06-06-23 JLM
IPP Rev C New flat pattern 08.01.11 EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M6061T6S.080		Purchased		No		100	sf	187.3000	0.9815	30.99474			

M6061T6S 080

6061-T6 .080 Sheet

on 16/09/16

Location	Loc Qty	Loc Code
MAT020	187.3	
134217	9.1	
m132772	4.3	
m133587	7.7	
m133828	2.6	
m134551	7	
m134696	48	
m134830	21.9	
m135147	30.9	
m135377	55.8	28

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Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 150378 MJS
1605-201

RELEASED
26.01.10 WJ

D2278 LEG

NOTES:

- 1) MATERIAL: 6061-T6 (OR -T62) ALUMINUM SHEET 0.080 THICK (PER QQ-A-250/11 OR AMS 4025/4027) (REF DART SPEC M6061T6S.080) OR 5052-H32 ALUMINUM SHEET 0.080 THICK (PER QQ-A-250/8 OR AMS 4016) (REF DART SPEC M5052H32S.080)
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.45 lbs

F	CHANGE Ø0.213 HOLES TO Ø0.213 X 0.750 SLOT CHANGE SOME DIMENSIONS TO X.XX FROM X.XXX UPDATE PROFILE AND FORMAT, REF NCR 263	PH	07.12.27
E	ADD 6061-T6 MATERIAL	CB	06.05.29
D	ADD FINISHING NOTE	PH	05.11.14
C	CHANGED RADIUS TO 0.354	BW	95.02.16
B	CHANGED TO MATCH SPACERS	BW	94.11.08
A	NEW ISSUE	BW	94.10.13
REV.	DESCRIPTION	BY	DATE
DESIGN	RA		
DRAWN	RA		
CHECKED	KE		
MFG. APPR.	KE		
APPROVED	KE		
DE APPR.	KE		
DATE	07.12.27		

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. REV. F
D2278 SHEET 1 OF 1
TITLE SCALE
LEG 3.2

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